

Claim 1 showing amendments being made.

- 1) Apparatus for the conversion of energy, comprising,
 - a) a source of energy for promoting electron tunneling, and,
 - b) an emitter electrode, connected to said source of energy, and,
 - c) a collector electrode, positioned sufficiently close to said emitter electrode for electrons to tunnel from the emitter electrode to the collector electrode, and,
 - d) electrical circuit means, connected to said electrodes, for the circulation of electrons, and,
 - de) manipulating means for controlling the relative electrode positioning, connected to one or both of said electrodes.

Claim 6 showing amendments being made.

6) The apparatus of claim 5 further comprising—Apparatus for the conversion of energy, comprising,

- a) a source of energy for promoting electron tunneling, and,
- b) an emitter electrode, connected to said source of energy, and,
- c) a collector electrode, positioned sufficiently close to said emitter electrode for electrons to tunnel from the emitter electrode to the collector electrode, and,
- d) electrical circuit means, connected to said electrodes, for the circulation of electrons, and,
- e) manipulating means for controlling the relative electrode positioning, connected to one or both of said electrodes, and
- f) housing means for said apparatus, and
- g) thermally conductive metal powder connected to said collector electrode for the transferal of thermal energy, and
- h) an extendable depository for said metal powder, for providing room for the metal powder as the collector electrode is moved to the area previously occupied by the metal powder.

Claim 18 showing amendments being made.

18) An electrical generator, comprising the apparatus of claim-47, further comprising means for causing the oscillation of said manipulating means, for the production of alternating-current voltage.